

Hydric Soils

Lac qui Parle County, Minnesota

[This report lists only those map unit components that are rated as hydric. Dashes (---) in any column indicate that the data were not included in the database. Definitions of hydric criteria codes are included at the end of the report]

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|---|----------------------------------|---------------------|--------------|---------------|-----------------|
| 31D2: | | | | | |
| Storden loam, 12 to 18 percent slopes, eroded | Storden, moderately eroded | 70 | Moraines | No | --- |
| | Webster | 12 | Swales | Yes | 2B3 |
| | Normania | 8 | Flats | No | --- |
| | Calco | 6 | Flood plains | Yes | 2B3 |
| | Swanlake | 4 | Moraines | No | --- |
| 34: | | | | | |
| Parnell silty clay loam, depressional | Parnell, depressional | 85 | Depressions | Yes | 2B3, 3 |
| | Vallers | 8 | Flats | Yes | 2B3 |
| | Lakepark | 7 | Swales | Yes | 2B3 |
| 47: | | | | | |
| Colvin silty clay loam | Colvin | 75 | Flats | Yes | 2B3 |
| | Bearden | 10 | Moraines | No | --- |
| | Parle | 6 | Flats | Yes | 2B3 |
| | Fulda | 5 | Flats | Yes | 2B3 |
| | Hamerly | 4 | Moraines | No | --- |
| 51: | | | | | |
| La Prairie loam, occasionally flooded | La Prairie, occasionally flooded | 90 | Flood plains | No | --- |
| | Lamoure | 6 | Flood plains | Yes | 2B3 |
| | Rauville | 4 | Flood plains | Yes | 2B3 |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|-----------------------------|---------------------|--------------|---------------|-----------------|
| 60: Glyndon silt loam | Glyndon | 75 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Colvin | 6 | Flats | Yes | 2B3 |
| | Hantho | 5 | Moraines | No | --- |
| | Bearden | 4 | Moraines | No | --- |
| 67: Bearden silty clay loam | Bearden | 75 | Moraines | No | --- |
| | Colvin | 10 | Flats | Yes | 2B3 |
| | Perella | 6 | Flats | Yes | 2B3 |
| | Glyndon | 5 | Moraines | No | --- |
| | Waubay | 4 | Moraines | No | --- |
| 70: Svea loam | Svea | 75 | Moraines | No | --- |
| | Vallers | 10 | Flats | Yes | 2B3 |
| | Parnell | 6 | Depressions | Yes | 2B3, 3 |
| | Barnes | 5 | Moraines | No | --- |
| | Hamerly | 4 | Moraines | No | --- |
| 85: Calco silty clay loam, occasionally flooded | Calco, occasionally flooded | 85 | Flood plains | Yes | 2B3 |
| | Burr | 8 | Flood plains | Yes | 2B3 |
| | Du Page | 7 | Flood plains | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|-----------|---------------------|----------------|---------------|-----------------|
| 108: McIntosh silt loam | McIntosh | 80 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Colvin | 6 | Flats | Yes | 2B3 |
| | Bearden | 4 | Moraines | No | --- |
| 113: Webster clay loam | Webster | 80 | Swales | Yes | 2B3 |
| | Glencoe | 8 | Depressions | Yes | 2B3, 3 |
| | Harps | 7 | Flats | Yes | 2B3 |
| | Normania | 3 | Moraines | No | --- |
| | Seaforth | 2 | Moraines | No | --- |
| 127A: Sverdrup sandy loam, 0 to 2 percent slopes | Sverdrup | 85 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Embden | 4 | Outwash plains | No | --- |
| | Forada | 3 | Outwash plains | Yes | 2B3 |
| 127B: Sverdrup sandy loam, 2 to 6 percent slopes | Sverdrup | 85 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Embden | 4 | Outwash plains | No | --- |
| | Forada | 3 | Outwash plains | Yes | 2B3 |
| 127C: Sverdrup sandy loam, 6 to 12 percent slopes | Sverdrup | 90 | Moraines | No | --- |
| | Marysland | 6 | Flats | Yes | 2B3 |
| | Swenoda | 4 | Outwash plains | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|-----------|---------------------|----------------|---------------|-----------------|
| 137: Dovray silty clay | Dovray | 80 | Depressions | Yes | 2B3, 3 |
| | Colvin | 8 | Flats | Yes | 2B3 |
| | Fulda | 7 | Flats | Yes | 2B3 |
| | Oldham | 3 | Depressions | Yes | 2B3, 3 |
| | Perella | 2 | Flats | Yes | 2B3 |
| 141A: Egeland sandy loam, 0 to 2 percent slopes | Egeland | 80 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Arvilla | 7 | Outwash plains | No | --- |
| | Embden | 3 | Outwash plains | No | --- |
| | Forada | 2 | Outwash plains | Yes | 2B3 |
| 141B: Egeland sandy loam, 2 to 6 percent slopes | Egeland | 80 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Arvilla | 7 | Outwash plains | No | --- |
| | Embden | 3 | Outwash plains | No | --- |
| | Forada | 2 | Outwash plains | Yes | 2B3 |
| 141C: Egeland loam, 6 to 12 percent slopes | Egeland | 85 | Moraines | No | --- |
| | Marysland | 6 | Flats | Yes | 2B3 |
| | Arvilla | 5 | Outwash plains | No | --- |
| | Embden | 4 | Outwash plains | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|---|-----------|---------------------|-------------|---------------|-----------------|
| 168B: Forman clay loam, 2 to 6 percent slopes | Forman | 85 | Moraines | No | --- |
| | Parnell | 6 | Depressions | Yes | 2B3, 3 |
| | Buse | 5 | Moraines | No | --- |
| | Mehurin | 4 | Moraines | No | --- |
| 184: Hamerly loam | Hamerly | 75 | Moraines | No | --- |
| | Vallers | 10 | Flats | Yes | 2B3 |
| | Buse | 6 | Moraines | No | --- |
| | Esmond | 5 | Moraines | No | --- |
| | Svea | 4 | Moraines | No | --- |
| 210: Fulda silty clay | Fulda | 65 | Flats | Yes | 2B3 |
| | Colvin | 10 | Flats | Yes | 2B3 |
| | Oldham | 8 | Depressions | Yes | 2B3, 3 |
| | Perella | 7 | Flats | Yes | 2B3 |
| | Dovray | 6 | Depressions | Yes | 2B3, 3 |
| | Sinai | 4 | Moraines | No | --- |
| 212A: Sinai silty clay loam, 1 to 3 percent slopes | Sinai | 75 | Moraines | No | --- |
| | Dovray | 8 | Depressions | Yes | 2B3, 3 |
| | Fulda | 7 | Flats | Yes | 2B3 |
| | Poinsett | 6 | Moraines | No | --- |
| | Waubay | 4 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|---|----------------------------|---------------------|--------------|---------------|-----------------|
| 212B: | | | | | |
| Sinai silty clay, 3 to 6 percent slopes | Sinai | 75 | Moraines | No | --- |
| | Dovray | 8 | Depressions | Yes | 2B3, 3 |
| | Fulda | 7 | Flats | Yes | 2B3 |
| | Poinsett | 6 | Moraines | No | --- |
| | Waubay | 4 | Moraines | No | --- |
| 219: | | | | | |
| Rolfe silt loam | Rolfe | 75 | Depressions | Yes | 2B3, 3 |
| | Glencoe | 8 | Depressions | Yes | 2B3, 3 |
| | Harps | 7 | Flats | Yes | 2B3 |
| | Seaforth | 6 | Moraines | No | --- |
| | Webster | 4 | Swales | Yes | 2B3 |
| 220D2: | | | | | |
| Langhei loam, 12 to 18 percent slopes, eroded | Langhei, moderately eroded | 75 | Moraines | No | --- |
| | Lakepark | 8 | Swales | Yes | 2B3 |
| | Lamoure | 7 | Flood plains | Yes | 2B3 |
| | Barnes | 6 | Moraines | No | --- |
| | Buse | 4 | Moraines | No | --- |
| 236: | | | | | |
| Vallers clay loam | Vallers | 75 | Flats | Yes | 2B3 |
| | Hamerly | 8 | Moraines | No | --- |
| | Lakepark | 7 | Swales | Yes | 2B3 |
| | Parnell | 6 | Depressions | Yes | 2B3, 3 |
| | Svea | 4 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|---|-----------|---------------------|----------------|---------------|-----------------|
| 246: | | | | | |
| Marysland loam | Marysland | 85 | Flats | Yes | 2B3 |
| | Egeland | 6 | Outwash plains | No | --- |
| | Forada | 5 | Outwash plains | Yes | 2B3 |
| | Malachy | 4 | Outwash plains | No | --- |
| 276: | | | | | |
| Oldham silty clay | Oldham | 75 | Depressions | Yes | 2B3, 3 |
| | Colvin | 8 | Flats | Yes | 2B3 |
| | Dovray | 7 | Depressions | Yes | 2B3, 3 |
| | Fulda | 6 | Flats | Yes | 2B3 |
| | Bigstone | 4 | Depressions | Yes | 2B3, 3 |
| 284B: | | | | | |
| Poinsett silty clay loam, 1 to 4 percent slopes | Poinsett | 75 | Moraines | No | --- |
| | Parnell | 8 | Depressions | Yes | 2B3, 3 |
| | Perella | 7 | Flats | Yes | 2B3 |
| | Buse | 6 | Moraines | No | --- |
| | Waubay | 4 | Moraines | No | --- |
| 288F: | | | | | |
| Esmond loam, 18 to 40 percent slopes | Esmond | 70 | Moraines | No | --- |
| | Lakepark | 10 | Swales | Yes | 2B3 |
| | Lamoure | 8 | Flood plains | Yes | 2B3 |
| | Heimdal | 7 | Moraines | No | --- |
| | Sisseton | 5 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|------------|---------------------|----------------|---------------|-----------------|
| 290B: | | | | | |
| Rothsay silt loam, 1 to 4 percent slopes | Rothsay | 70 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Hantho | 7 | Moraines | No | --- |
| | Zell | 5 | Moraines | No | --- |
| 293B: | | | | | |
| Swenoda loam, 2 to 6 percent slopes | Swenoda | 75 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Barnes | 7 | Moraines | No | --- |
| | Egeland | 6 | Moraines | No | --- |
| | Embden | 4 | Moraines | No | --- |
| 314: | | | | | |
| Spottswood loam | Spottswood | 70 | Moraines | No | --- |
| | Marysland | 10 | Flats | Yes | 2B3 |
| | Arvilla | 8 | Outwash plains | No | --- |
| | Fordville | 7 | Outwash plains | No | --- |
| | Malachy | 5 | Outwash plains | No | --- |
| 338: | | | | | |
| Waubay silty clay loam | Waubay | 75 | Moraines | No | --- |
| | Parnell | 8 | Depressions | Yes | 2B3, 3 |
| | Perella | 7 | Flats | Yes | 2B3 |
| | Bearden | 6 | Moraines | No | --- |
| | Poinsett | 4 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|------------|---------------------|----------------|---------------|-----------------|
| 339: | | | | | |
| Fordville loam | Fordville | 80 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Spottswood | 7 | Outwash plains | No | --- |
| | Sverdrup | 5 | Outwash plains | No | --- |
| 341A: | | | | | |
| Arvilla sandy loam, 0 to 2 percent slopes | Arvilla | 85 | Moraines | No | --- |
| | Marysland | 6 | Flats | Yes | 2B3 |
| | Spottswood | 5 | Outwash plains | No | --- |
| | Forada | 4 | Outwash plains | Yes | 2B3 |
| 341B: | | | | | |
| Arvilla sandy loam, 2 to 6 percent slopes | Arvilla | 90 | Moraines | No | --- |
| | Marysland | 6 | Flats | Yes | 2B3 |
| | Spottswood | 4 | Outwash plains | No | --- |
| 341C: | | | | | |
| Arvilla sandy loam, 6 to 12 percent slopes | Arvilla | 90 | Moraines | No | --- |
| | Marysland | 6 | Flats | Yes | 2B3 |
| | Spottswood | 4 | Outwash plains | No | --- |
| 344: | | | | | |
| Quam silty clay loam | Quam | 75 | Depressions | Yes | 2B3, 3 |
| | Bigstone | 8 | Depressions | Yes | 2B3, 3 |
| | Parle | 7 | Flats | Yes | 2B3 |
| | Vallers | 6 | Flats | Yes | 2B3 |
| | Parnell | 4 | Depressions | Yes | 2B3, 3 |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|-----------------------------|---------------------|----------------|---------------|-----------------|
| 347: | | | | | |
| Malachy loam | Malachy | 75 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Embden | 7 | Outwash plains | No | --- |
| | Spottswood | 6 | Outwash plains | No | --- |
| | Sverdrup | 4 | Outwash plains | No | --- |
| 375: | | | | | |
| Forada loam | Forada | 75 | Flats | Yes | 2B3 |
| | Egeland | 8 | Outwash plains | No | --- |
| | Embden | 7 | Outwash plains | No | --- |
| | Marysland | 6 | Flats | Yes | 2B3 |
| | Malachy | 4 | Outwash plains | No | --- |
| 396D2: | | | | | |
| Sisseton loam, 12 to 18 percent slopes, eroded | Sisseton, moderately eroded | 85 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Darnen | 5 | Moraines | No | --- |
| | Heimdal | 4 | Moraines | No | --- |
| 402F: | | | | | |
| Sioux gravelly loam, 12 to 40 percent slopes | Sioux | 85 | Moraines | No | --- |
| | Lamoure | 6 | Flood plains | Yes | 2B3 |
| | Esmond | 5 | Moraines | No | --- |
| | Sverdrup | 4 | Outwash plains | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|---|-------------------------------|---------------------|--------------|---------------|-----------------|
| 418: | | | | | |
| Lamoure silty clay loam, occasionally flooded | Lamoure, occasionally flooded | 75 | Flood plains | Yes | 2B3 |
| | La Prairie | 10 | Flood plains | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Rauville | 7 | Flood plains | Yes | 2B3 |
| 421B: | | | | | |
| Ves loam, 1 to 4 percent slopes | Ves | 75 | Moraines | No | --- |
| | Harps | 8 | Flats | Yes | 2B3 |
| | Glencoe | 7 | Depressions | Yes | 2B3, 3 |
| | Normania | 6 | Moraines | No | --- |
| | Swanlake | 4 | Moraines | No | --- |
| 423: | | | | | |
| Seaforth loam | Seaforth | 75 | Moraines | No | --- |
| | Harps | 8 | Flats | Yes | 2B3 |
| | Glencoe | 7 | Depressions | Yes | 2B3, 3 |
| | Normania | 6 | Moraines | No | --- |
| | Swanlake | 4 | Moraines | No | --- |
| 434: | | | | | |
| Perella silty clay loam | Perella | 75 | Flats | Yes | 2B3 |
| | Colvin | 8 | Flats | Yes | 2B3 |
| | Bearden | 7 | Moraines | No | --- |
| | Dovray | 6 | Depressions | Yes | 2B3, 3 |
| | Fulda | 4 | Flats | Yes | 2B3 |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|------------------------------|---------------------|--------------|---------------|-----------------|
| 437F: | | | | | |
| Buse loam, 18 to 40 percent slopes | Buse | 70 | Moraines | No | --- |
| | Barnes | 10 | Moraines | No | --- |
| | Langhei | 8 | Moraines | No | --- |
| | Lamoure | 7 | Flood plains | Yes | 2B3 |
| | Lakepark | 5 | Swales | Yes | 2B3 |
| 450: | | | | | |
| Rauville silty clay loam, frequently flooded | Rauville, frequently flooded | 70 | Flood plains | Yes | 2B3, 4 |
| | Lamoure | 10 | Flood plains | Yes | 2B3 |
| | La Prairie | 8 | Flood plains | No | --- |
| | Darnen | 7 | Moraines | No | --- |
| | Bigstone | 5 | Depressions | Yes | 2B3, 3 |
| 494B: | | | | | |
| Darnen loam, 2 to 6 percent slopes | Darnen | 70 | Moraines | No | --- |
| | Lakepark | 10 | Swales | Yes | 2B3 |
| | Barnes | 8 | Moraines | No | --- |
| | Svea | 7 | Moraines | No | --- |
| | Hamerly | 5 | Moraines | No | --- |
| 497: | | | | | |
| Hantho silt loam | Hantho | 70 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Glyndon | 7 | Moraines | No | --- |
| | Rothsay | 3 | Moraines | No | --- |
| | Waubay | 2 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|---|-------------------------------|---------------------|----------------|---------------|-----------------|
| 509: | | | | | |
| Vallers clay loam, very stony | Vallers, very stony | 75 | Flats | Yes | 2B3 |
| | Barnes | 8 | Moraines | No | --- |
| | Hamerly | 7 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Parnell | 4 | Depressions | Yes | 2B3, 3 |
| 574: | | | | | |
| Du Page loam, occasionally flooded | Du Page, occasionally flooded | 85 | Flood plains | No | --- |
| | Calco | 6 | Flood plains | Yes | 2B3 |
| | Malachy | 5 | Outwash plains | No | --- |
| | Zumbro | 4 | Flood plains | No | --- |
| 597: | | | | | |
| Tara silt loam | Tara | 75 | Moraines | No | --- |
| | Perella | 8 | Flats | Yes | 2B3 |
| | Quam | 7 | Depressions | Yes | 2B3, 3 |
| | Doland | 6 | Moraines | No | --- |
| | McIntosh | 4 | Moraines | No | --- |
| 610: | | | | | |
| Calco silty clay loam, frequently flooded | Calco, frequently flooded | 85 | Flood plains | Yes | 2B3, 4 |
| | Burr | 8 | Flood plains | Yes | 2B3 |
| | Du Page | 7 | Flood plains | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|-------------------------|---------------------|-------------|---------------|-----------------|
| 680: | | | | | |
| Parnell silty clay loam | Parnell | 80 | Swales | Yes | 2B3 |
| | Hamerly | 10 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Vallers | 4 | Flats | Yes | 2B3 |
| 694C2: | | | | | |
| Zell silt loam, 6 to 12 percent slopes, eroded | Zell, moderately eroded | 80 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Egeland | 6 | Moraines | No | --- |
| | Rothsay | 4 | Moraines | No | --- |
| 706: | | | | | |
| Bigstone silty clay loam, ponded | Bigstone, ponded | 70 | Depressions | Yes | 2B3, 3 |
| | Colvin | 10 | Flats | Yes | 2B3 |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Vallers | 7 | Flats | Yes | 2B3 |
| | Oldham | 5 | Depressions | Yes | 2B3, 3 |
| 724: | | | | | |
| Bigstone silty clay loam | Bigstone | 70 | Depressions | Yes | 2B3, 3 |
| | Colvin | 10 | Flats | Yes | 2B3 |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Vallers | 7 | Flats | Yes | 2B3 |
| | Oldham | 5 | Depressions | Yes | 2B3, 3 |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|-----------|---------------------|-------------|---------------|-----------------|
| 741B: | | | | | |
| Poinsett-Buse complex, 2 to 6 percent slopes | Poinsett | 45 | Moraines | No | --- |
| | Buse | 30 | Moraines | No | --- |
| | Parnell | 10 | Depressions | Yes | 2B3, 3 |
| | Perella | 6 | Flats | Yes | 2B3 |
| | Zell | 5 | Moraines | No | --- |
| | Waubay | 4 | Moraines | No | --- |
| 748B: | | | | | |
| Hamlet loam, 1 to 4 percent slopes | Hamlet | 70 | Moraines | No | --- |
| | Lakepark | 10 | Swales | Yes | 2B3 |
| | Buse | 8 | Moraines | No | --- |
| | Parnell | 7 | Depressions | Yes | 2B3, 3 |
| | Svea | 5 | Moraines | No | --- |
| 769A: | | | | | |
| Mehurin clay loam, 0 to 2 percent slopes | Mehurin | 75 | Moraines | No | --- |
| | Forman | 8 | Moraines | No | --- |
| | Hamerly | 7 | Moraines | No | --- |
| | Parnell | 6 | Depressions | Yes | 2B3, 3 |
| | Svea | 4 | Moraines | No | --- |
| 769B: | | | | | |
| Mehurin clay loam, 2 to 6 percent slopes | Mehurin | 75 | Moraines | No | --- |
| | Forman | 8 | Moraines | No | --- |
| | Hamerly | 7 | Moraines | No | --- |
| | Parnell | 6 | Depressions | Yes | 2B3, 3 |
| | Svea | 4 | Moraines | No | --- |

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Lac qui Parle County, Minnesota

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|--|-------------------------------|---------------------|----------------|---------------|-----------------|
| 774: | | | | | |
| Svea loam, very stony | Svea, very stony | 75 | Moraines | No | --- |
| | Vallers | 8 | Flats | Yes | 2B3 |
| | Parnell | 7 | Depressions | Yes | 2B3, 3 |
| | Barnes | 6 | Moraines | No | --- |
| | Buse | 4 | Moraines | No | --- |
| 777C2: | | | | | |
| Sisseton-Heimdal complex, 6 to 12 percent slopes, eroded | Sisseton, moderately eroded | 60 | Moraines | No | --- |
| | Heimdal, moderately eroded | 30 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Darnen | 4 | Moraines | No | --- |
| 883: | | | | | |
| Du Page-Zumbro complex, occasionally flooded | Du Page, occasionally flooded | 55 | Flood plains | No | --- |
| | Zumbro, occasionally flooded | 30 | Flood plains | No | --- |
| | Calco | 6 | Flood plains | Yes | 2B3 |
| | Fordville | 5 | Outwash plains | No | --- |
| | Malachy | 4 | Outwash plains | No | --- |
| 891B: | | | | | |
| Doland-Buse complex, 3 to 6 percent slopes | Doland | 45 | Moraines | No | --- |
| | Buse | 25 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Poinsett | 7 | Moraines | No | --- |
| | Tara | 5 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

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|--|----------------------------|---------------------|-------------|---------------|-----------------|
| 902B: | | | | | |
| Barnes-Buse complex, 2 to 6 percent slopes | Barnes | 50 | Moraines | No | --- |
| | Buse | 35 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Parnell | 5 | Depressions | Yes | 2B3, 3 |
| | Hamerly | 4 | Moraines | No | --- |
| 915C2: | | | | | |
| Buse-Forman complex, 6 to 12 percent slopes, eroded | Buse, moderately eroded | 50 | Moraines | No | --- |
| | Forman, moderately eroded | 35 | Moraines | No | --- |
| | Parnell | 6 | Depressions | Yes | 2B3, 3 |
| | Mehurin | 5 | Moraines | No | --- |
| | Svea | 4 | Moraines | No | --- |
| 942C2: | | | | | |
| Langhei-Barnes complex, 6 to 12 percent slopes, eroded | Langhei, moderately eroded | 55 | Moraines | No | --- |
| | Barnes, moderately eroded | 30 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Darnen | 5 | Moraines | No | --- |
| | Svea | 4 | Moraines | No | --- |
| 954B: | | | | | |
| Ves-Swanlake complex, 3 to 6 percent slopes | Ves | 45 | Moraines | No | --- |
| | Swanlake | 30 | Moraines | No | --- |
| | Harps | 8 | Flats | Yes | 2B3 |
| | Glencoe | 7 | Depressions | Yes | 2B3, 3 |
| | Normania | 6 | Moraines | No | --- |
| | Seaforth | 4 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|---|----------------------------|---------------------|-------------|---------------|-----------------|
| 954C2: | | | | | |
| Storden-Ves complex, 6 to 12 percent slopes, eroded | Storden, moderately eroded | 50 | Moraines | No | --- |
| | Ves, moderately eroded | 30 | Moraines | No | --- |
| | Webster | 8 | Swales | Yes | 2B3 |
| | Harps | 7 | Flats | Yes | 2B3 |
| | Normania | 3 | Moraines | No | --- |
| | Seaforth | 2 | Moraines | No | --- |
| 969B: | | | | | |
| Zell-Rothsay complex, 3 to 6 percent slopes | Zell | 45 | Moraines | No | --- |
| | Rothsay | 25 | Moraines | No | --- |
| | Perella | 10 | Flats | Yes | 2B3 |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Egeland | 7 | Moraines | No | --- |
| | Hantho | 5 | Moraines | No | --- |
| 1013: | | | | | |
| Pits, quarry | Pits, quarry | 100 | Moraines | | --- |
| 1016: | | | | | |
| Udorthents, loamy | Udorthents, loamy | 100 | Moraines | | --- |
| 1030: | | | | | |
| Udorthents-pits, gravel complex | Udorthents | 50 | Moraines | | --- |
| | Pits, gravel | 35 | Moraines | | --- |
| 1051: | | | | | |
| Glencoe silty clay loam, ponded | Glencoe, ponded | 85 | Depressions | Yes | 2B3, 3 |
| | Harps | 6 | Flats | Yes | 2B3 |
| | Rolfe | 5 | Depressions | Yes | 2B3, 3 |
| | Webster | 4 | Swales | Yes | 2B3 |

Hydric Soils

Lac qui Parle County, Minnesota

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|--|-----------------------------|---------------------|----------------|---------------|-----------------|
| 1106C: | | | | | |
| Storden-Hawick-Ves complex, 6 to 12 percent slopes, eroded | Storden, moderately eroded | 35 | Moraines | No | --- |
| | Hawick | 30 | Moraines | No | --- |
| | Ves, moderately eroded | 25 | Moraines | No | --- |
| | Webster | 6 | Swales | Yes | 2B3 |
| | Normania | 4 | Moraines | No | --- |
| 1107D: | | | | | |
| Sisseton-Sioux-Heimdal complex, 6 to 18 percent slopes, eroded | Sisseton, moderately eroded | 35 | Moraines | No | --- |
| | Sioux | 25 | Moraines | No | --- |
| | Heimdal, moderately eroded | 20 | Moraines | No | --- |
| | Lakepark | 8 | Swales | Yes | 2B3 |
| | Darnen | 7 | Moraines | No | --- |
| | Sverdrup | 5 | Outwash plains | No | --- |
| 1108: | | | | | |
| Harps-Glencoe-Seaforth complex | Harps | 35 | Flats | Yes | 2B3 |
| | Glencoe | 25 | Depressions | Yes | 2B3, 3 |
| | Seaforth | 20 | Moraines | No | --- |
| | Normania | 8 | Moraines | No | --- |
| | Rolfe | 7 | Depressions | Yes | 2B3, 3 |
| | Ves | 3 | Moraines | No | --- |
| | Webster | 2 | Swales | Yes | 2B3 |

Hydric Soils

Lac qui Parle County, Minnesota

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|---|------------------------|---------------------|--------------|---------------|-----------------|
| 1222: | | | | | |
| Parle clay loam | Parle | 80 | Flats | Yes | 2B3 |
| | Bigstone | 8 | Depressions | Yes | 2B3, 3 |
| | Hamerly | 7 | Moraines | No | --- |
| | Vallers | 5 | Flats | Yes | 2B3 |
| 1233B: | | | | | |
| Esmond-Heimdal complex, 2 to 6 percent slopes | Esmond | 50 | Moraines | No | --- |
| | Heimdal | 35 | Moraines | No | --- |
| | Egeland | 6 | Moraines | No | --- |
| | Hamerly | 5 | Moraines | No | --- |
| | Lakepark | 4 | Swales | Yes | 2B3 |
| 1266C: | | | | | |
| Yellowbank-Rock outcrop complex, 1 to 25 percent slopes | Yellowbank | 60 | Moraines | No | --- |
| | Rock outcrop | 25 | Moraines | Unranked | --- |
| | Lamoure | 6 | Flood plains | Yes | 2B3 |
| | Svea | 5 | Moraines | No | --- |
| | Vallers | 4 | Flats | Yes | 2B3 |
| 1295B: | | | | | |
| Doland silt loam, 2 to 4 percent slopes, moderately wet | Doland, moderately wet | 80 | Moraines | No | --- |
| | Perella | 8 | Flats | Yes | 2B3 |
| | Quam | 7 | Depressions | Yes | 2B3, 3 |
| | Tara | 5 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|--|---------------------------|---------------------|----------------|---------------|-----------------|
| 1296: Swenoda sandy loam, 0 to 2 percent slopes, moderately wet | Swenoda, moderately wet | 75 | Moraines | No | --- |
| | Egeland | 8 | Moraines | No | --- |
| | Embden | 7 | Moraines | No | --- |
| | Marysland | 5 | Flats | Yes | 2B3 |
| | Svea | 3 | Moraines | No | --- |
| | Sverdrup | 2 | Outwash plains | No | --- |
| 1309C: Buse-Doland complex, 6 to 12 percent slopes, eroded | Buse, moderately eroded | 45 | Moraines | No | --- |
| | Doland, moderately eroded | 35 | Moraines | No | --- |
| | Quam | 8 | Depressions | Yes | 2B3, 3 |
| | Perella | 7 | Flats | Yes | 2B3 |
| | Tara | 5 | Moraines | No | --- |
| 1356: Water, miscellaneous | Water, miscellaneous | 100 | --- | | --- |
| 1865C: Buse-Barnes complex, 2 to 12 percent slopes, extremely stony | Buse, extremely stony | 55 | Moraines | No | --- |
| | Barnes, extremely stony | 30 | Moraines | No | --- |
| | Lakepark | 6 | Swales | Yes | 2B3 |
| | Vallers | 5 | Flats | Yes | 2B3 |
| | Darnen | 4 | Moraines | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|---|-----------------------------|---------------------|----------------|---------------|-----------------|
| 1865F: Buse loam, 12 to 40 percent slopes, extremely stony | Buse, extremely stony | 70 | Moraines | No | --- |
| | Lakepark | 10 | Swales | Yes | 2B3 |
| | Langhei | 8 | Moraines | No | --- |
| | Barnes | 7 | Moraines | No | --- |
| | Lamoure | 5 | Flood plains | Yes | 2B3 |
| 1870: Burr-Calco complex, occasionally flooded | Burr, occasionally flooded | 50 | Flood plains | Yes | 2B3 |
| | Calco, occasionally flooded | 30 | Flood plains | Yes | 2B3 |
| | Du Page | 8 | Flood plains | No | --- |
| | Marysland | 7 | Flats | Yes | 2B3 |
| | Oldham | 5 | Depressions | Yes | 2B3, 3 |
| 1938: Lakepark loam | Lakepark | 70 | Swales | Yes | 2B3 |
| | Darnen | 10 | Moraines | No | --- |
| | Hamerly | 8 | Moraines | No | --- |
| | Parnell | 7 | Depressions | Yes | 2B3, 3 |
| | Vallers | 5 | Flats | Yes | 2B3 |
| 1994: Embden sandy loam | Embden | 75 | Moraines | No | --- |
| | Marysland | 8 | Flats | Yes | 2B3 |
| | Egeland | 7 | Outwash plains | No | --- |
| | Forada | 6 | Outwash plains | Yes | 2B3 |
| | Sverdrup | 4 | Outwash plains | No | --- |

Hydric Soils

Lac qui Parle County, Minnesota

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|--|--------------------------|---------------------|------------------------------------|---------------|-----------------|
| L84A: | | | | | |
| Glencoe clay loam, depressional, 0 to 1 percent slopes | Glencoe, depressional | 80 | Depressions, Moraines | Yes | 2B3, 3 |
| | Very poorly drained muck | 10 | Depressions, Moraines | Yes | 2B3 |
| | Canisteo | 5 | Depressions, Flats, Moraines, Rims | Yes | 2B3 |
| | Harps | 5 | Depressions, Rims | Yes | 2B3 |
| L201A: | | | | | |
| Normania loam, 0 to 3 percent slopes | Normania | 85 | Flats, Moraines, Rises | No | --- |
| | Amiret | 7 | Hills, Moraines | No | --- |
| | Seaforth | 3 | Flats, Moraines, Rises | No | --- |
| | Webster | 3 | Flats, Moraines, Swales | Yes | 2B3 |
| | Canisteo | 2 | Depressions, Flats, Moraines, Rims | Yes | 2B3 |
| W: | | | | | |
| Water | Water | 100 | --- | | --- |

Hydric Soils

This table lists the map unit components that are rated as hydric soils in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and others, 2002).

The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for all of the characteristics must be met for areas to be identified as wetlands. Undrained hydric soils that have natural vegetation should support a dominant population of ecological wetland plant species. Hydric soils that have been converted to other uses should be capable of being restored to wetlands.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils, under natural conditions, are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2003) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and others, 2002).

Hydric soils are identified by examining and describing the soil to a depth of about 20 inches. This depth may be greater if determination of an appropriate indicator so requires. It is always recommended that soils be excavated and described to the depth necessary for an understanding of the redoximorphic processes. Then, using the completed soil descriptions, soil scientists can compare the soil features required by each indicator and specify which indicators have been matched with the conditions observed in the soil. The soil can be identified as a hydric soil if at least one of the approved indicators is present.

Map units that are dominantly made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units dominantly made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

The criteria for hydric soils are represented by codes in the table (for example, 2B3). Definitions for the codes are as follows:

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
 - A. are somewhat poorly drained and have a water table at the surface (0.0 feet) during the growing season, or
 - B. are poorly drained or very poorly drained and have either:
 - 1) a water table at the surface (0.0 feet) during the growing season if textures are coarse sand, sand, or fine sand in all layers within a depth of 20 inches, or
 - 2) a water table at a depth of 0.5 foot or less during the growing season if permeability is equal to or greater than 6.0 in/hr in all layers within a depth of 20 inches, or
 - 3) a water table at a depth of 1.0 foot or less during the growing season if permeability is less than 6.0 in/hr in any layer within a depth of 20 inches.
3. Soils that are frequently ponded for long or very long duration during the growing season.
4. Soils that are frequently flooded for long or very long duration during the growing season.

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